

FLSIC Action Item

021024-03

NAVICP-M 0563 conduct a Model Requisition Effectiveness (MRE) review on all ship classes to address Fleet Gross Effectiveness and provide results to Fleet CINCs/TYCOMs.

TYCOMs to address NIS factors impacting Fleet Gross Effectiveness. Further identify technical issues: Y, Z and SM&R codes.

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OUR APPROACH

- Use 3M data from 10-01-01 – 09-30-03
- Dissect Issues by Source Code
- Segregate J Source Codes
 - Candidates That Do Not Compute
 - Non-Candidates
 - Z Overrides
 - SM&R Beyond Maintenance Capability
- Re-Calculate Gross & COSAL Effectiveness
 - Do Not Consider “G” Source Code Issues
 - Not on APL (Provisioning)
 - APL Not Recorded in Ship’s Configuration
 - Consider Only Candidate “J” Source Code Issues (J¹)

EFFECTIVENESS FORMULAS

- Standard Effectiveness Formula
 - Allowance Effectiveness = $(A+C+D+F)/(A+C+D+F+G+J)$
 - Gross Effectiveness = $(A+C)/(A+C+D+F+G+J)$
 - Model Requisition Effectiveness Formula
 - Allowance Effectiveness = $(A+C+D+F)/(A+C+D+F+J^1)$
 - Gross Effectiveness = $(A+C)/(A+C+D+F+J^1)$
- J^1 = Excluding Non-candidates

AGF 3 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN



MAINTENANCE ACTIONS

WITH CONSUMABLES (WC) 4,4
WITHOUT CONSUMABLES (WOC) 4,1

ISSUES

WC	1,858	41.41%
WOC	1,832	44.57%

NOT AVAILABLE

WC	2,629	58.59%
WOC	2,278	55.43%

ALLOWED NOT IN STOCK

WC	880	19.61%
WOC	840	20.44%

NOT ALLOWED

WC	1,749	38.98%
WOC	1,438	34.99%

NOT IN SNAP (G)

WC	566	12.61%
WOC	469	11.41%

IN SNAP (J)

WC	1,183	26.37%
WOC	969	23.58%

CONFIG

WC	255	5.68%
WOC	211	5.14%

TECH

WC	238	5.30%
WOC	197	4.79%

PROV

WC	74	1.64%
WOC	61	1.48%

NON-CANDIDATES

WC	304	6.78%
WOC	201	4.89%

CANDIDATES

WC	879	19.59%
WOC	768	18.69%

MISC

WC	4	0.09%
WOC	3	0.09%

SM&R

WC	42	0.94%
WOC	39	0.95%

NO MATCH

WC	65	1.45%
WOC	44	1.07%

Z AOR

WC	48	1.07%
WOC	47	1.14%

OSI

WC	128	2.85%
WOC	51	1.24%

RBS

WC	17	0.38%
WOC	17	0.41%

Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

Current	WC	WOC
GROSS	41.41%	44.57%
NET	67.86%	68.56%
COSAL	61.02%	65.01%
MRE		
GROSS	51.37%	
53.26%		
NET	67.86%	
68.56%		
COSAL	75.70%	
77.67%		

AOE 1 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	29,112	51.10%	
WITHOUT CONSUMABLES (WOC)	28,659	51.81%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	15,112	51.10%	
WOC	14,859	51.81%	

NOT AVAILABLE			
WC	14,463	48.90%	
WOC	13,820	48.19%	

ALLOWED NOT IN STOCK			
WC	5,000	16.91%	
WOC	4,890	17.05%	

NOT ALLOWED			
WC	9,463	32.00%	
WOC	8,930	31.14%	

NOT IN SNAP (G)			
WC	1,557	5.26%	
WOC	1,451	5.06%	

IN SNAP (J)			
WC	7,906	26.73%	
WOC	7,479	26.08%	

Current	WC	WOC
GROSS	51.10%	51.81%
NET	75.14%	75.24%
COSAL	68.00%	68.86%
MRE		
GROSS	57.88%	
58.22%		
NET	75.14%	
75.24%		
COSAL	77.03%	
77.37%		

CONFIG			
WC	701	2.37%	
WOC	653	2.28%	

TECH			
WC	654	2.21%	
WOC	609	2.12%	

PROV			
WC	202	0.68%	
WOC	189	0.66%	

NON-CANDIDATES			
WC	1,907	6.45%	
WOC	1,704	5.94%	

CANDIDATES			
WC	5,999	20.28%	
WOC	5,775	20.14%	

MISC			
WC	65	0.22%	
WOC	61	0.21%	

SM&R			
WC	389	1.32%	
WOC	387	1.35%	

NO MATCH			
WC	631	2.13%	
WOC	615	2.14%	

Z AOR			
WC	378	1.28%	
WOC	372	1.30%	

OSI			
WC	430	1.45%	
WOC	255	0.89%	

RBS			
WC	14	0.05%	
WOC	14	0.05%	

AOE 10 EFFECTIVENESS TOPDOWN BREAKDOWN



MAINTENANCE ACTIONS

WITH CONSUMABLES (WC) 6,417 65.80%
WITHOUT CONSUMABLES (WOC) 6,117 67.47%

Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES

WC 4,224 65.80%
WOC 4,117 67.47%

NOT AVAILABLE

WC 2,195 34.20%
WOC 1,985 32.53%

ALLOWED NOT IN STOCK

WC 621 9.67%
WOC 585 9.59%

NOT ALLOWED

WC 1,574 24.52%
WOC 1,400 22.94%

NOT IN SNAP (G)

WC 313 4.88%
WOC 276 4.52%

IN SNAP (J)

WC 1,261 19.64%
WOC 1,124 18.42%

CONFIG

WC 141 2.19%
WOC 124 2.04%

TECH

WC 131 2.05%
WOC 116 1.90%

PROV

WC 41 0.63%
WOC 36 0.59%

NON-CANDIDATES

WC 293 4.56%
WOC 242 3.97%

CANDIDATES

WC 968 15.08%
WOC 882 14.45%

MISC

WC 2 0.03%
WOC 2 0.03%

SM&R

WC 94 1.46%
WOC 89 1.46%

NO MATCH

WC 47 0.73%
WOC 44 0.72%

Z AOR

WC 45 0.70%
WOC 45 0.74%

OSI

WC 87 1.36%
WOC 44 0.72%


RBS

WC 18 0.28%
WOC 18 0.28%

Current	WC	WOC
GROSS	65.80%	67.47%
NET	87.18%	87.56%
COSAL	75.48%	77.06%
MRE		
GROSS	72.66%	
73.73%		
NET	87.18%	
87.56%		
COSAL	83.35%	
84.20%		

ARS 50 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	12,436	41.25%
WITHOUT CONSUMABLES	(WOC)	11,399	43.55%



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	5,022	41.25%	
WOC	4,936	43.55%	

NOT AVAILABLE			
WC	7,154	58.75%	
WOC	6,399	56.45%	

ALLOWED NOT IN STOCK			
WC	2,661	21.85%	
WOC	2,574	22.71%	

NOT ALLOWED			
WC	4,493	36.90%	
WOC	3,825	33.75%	

NOT IN SNAP (G)			
WC	45	0.37%	
WOC	36	0.32%	

IN SNAP (J)			
WC	4,448	36.53%	
WOC	3,789	33.43%	

Current	WC	WOC
GROSS	41.25%	43.55%
NET	65.37%	65.73%
COSAL	63.10%	66.25%
MRE		
GROSS	48.51%	
NET	65.37%	
COSAL	74.22%	
	75.41%	

CONFIG			
WC	20	0.17%	
WOC	16	0.14%	

NON-CANDIDATES			
WC	1,779	14.61%	
WOC	1,340	11.82%	

CANDIDATES			
WC	2,669	21.92%	
WOC	2,449	21.61%	

TECH			
WC	19	0.16%	
WOC	15	0.13%	

MISC			
WC	12	0.10%	
WOC	11	0.10%	

SM&R			
WC	114	0.94%	
WOC	114	1.01%	

PROV			
WC	6	0.05%	
WOC	5	0.04%	

NO MATCH			
WC	1,162	9.54%	
WOC	890	7.85%	

Z AOR			
WC	269	2.21%	
WOC	262	2.31%	

OSI			
WC	222	1.82%	
WOC	63	0.56%	

RBS			
WC	0	0.00%	
WOC	0	0.00%	

CG 47 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	225,000		
WITHOUT CONSUMABLES (WOC)	214,000		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	134,077	59.57%	
WOC	131,306	61.34%	

NOT AVAILABLE			
WC	90,991	44.43%	
WOC	82,742	38.66%	

ALLOWED NOT IN STOCK			
WC	29,520	13.12%	
WOC	28,578	13.35%	

NOT ALLOWED			
WC	61,471	27.31%	
WOC	54,164	25.30%	

NOT IN SNAP (G)			
WC	10,876	4.83%	
WOC	8,833	4.13%	

IN SNAP (J)			
WC	50,595	22.48%	
WOC	45,331	21.18%	

CONFIG			
WC	4,894	2.17%	
WOC	3,975	1.86%	

TECH			
WC	4,568	2.03%	
WOC	3,710	1.73%	

PROV			
WC	1,414	0.63%	
WOC	1,148	0.54%	

NON-CANDIDATES			
WC	15,356	6.82%	
WOC	12,776	5.97%	

CANDIDATES			
WC	35,239	15.66%	
WOC	32,555	15.21%	

MISC			
WC	2,187	0.97%	
WOC	2,146	1.00%	

SM&R			
WC	2,393	1.06%	
WOC	2,340	1.09%	

NO MATCH			
WC	2,839	1.26%	
WOC	2,588	1.21%	

Z AOR			
WC	2,989	1.33%	
WOC	2,927	1.37%	

OSI			
WC	3,724	1.65%	
WOC	1,552	0.73%	

RBS			
WC	1,224	0.54%	
WOC	1,223	0.57%	

Current	WC	WOC
GROSS	59.57%	61.34%
NET	81.96%	82.13%
COSAL	72.69%	74.70%
MRE		
GROSS	67.43%	
NET	81.96%	
	82.13%	
COSAL	82.28%	
	83.08%	

CV 63 EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	13,511	55.94%	
WITHOUT CONSUMABLES (WOC)	12,900	56.06%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	7,811	55.94%	
WOC	7,239	56.06%	

NOT AVAILABLE			
WC	6,153	44.06%	
WOC	5,674	43.94%	

ALLOWED NOT IN STOCK			
WC	2,839	20.33%	
WOC	2,656	20.57%	

NOT ALLOWED			
WC	3,314	23.73%	
WOC	3,018	23.37%	

NOT IN SNAP (G)			
WC	976	6.99%	
WOC	804	6.23%	

IN SNAP (J)			
WC	2,338	16.74%	
WOC	2,214	17.15%	

Current	WC	WOC
GROSS	55.94%	56.06%
NET	73.34%	73.16%
COSAL	76.27%	76.63%
MRE		
GROSS	63.30%	
NET	73.34%	
	73.16%	
COSAL	86.31%	
	85.80%	

CONFIG			
WC	439	3.15%	
WOC	362	2.80%	

TECH			
WC	410	2.94%	
WOC	338	2.62%	

PROV			
WC	127	0.91%	
WOC	105	0.81%	

NON-CANDIDATES			
WC	649	4.65%	
WOC	577	4.47%	

CANDIDATES			
WC	1,689	12.10%	
WOC	1,637	12.68%	

MISC			
WC	6	0.04%	
WOC	5	0.04%	

SM&R			
WC	130	0.93%	
WOC	130	1.01%	

NO MATCH			
WC	217	1.55%	
WOC	211	1.63%	

Z AOR			
WC	111	0.79%	
WOC	111	0.86%	

OSI			
WC	160	1.15%	
WOC	95	0.74%	

RBS			
WC	11	0.08%	
WOC	11	0.09%	

CV 67 EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	16,443	59.94%	
WITHOUT CONSUMABLES (WOC)	15,000	58.97%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	9,943	59.94%	
WOC	8,904	58.97%	

NOT AVAILABLE			
WC	6,645	40.06%	
WOC	6,195	41.03%	

ALLOWED NOT IN STOCK			
WC	2,641	15.92%	
WOC	2,519	16.68%	

NOT ALLOWED			
WC	4,004	24.14%	
WOC	3,676	24.35%	

NOT IN SNAP (G)			
WC	317	1.91%	
WOC	298	1.97%	

IN SNAP (J)			
WC	3,687	22.23%	
WOC	3,378	22.37%	

Current	WC	WOC
GROSS	59.94%	58.97%
NET	79.01%	77.95%
COSAL	75.86%	75.65%
MRE		
GROSS	66.05%	
64.71%		
NET	79.01%	
77.95%		
COSAL	83.60%	
83.02%		

CONFIG			
WC	143	0.86%	
WOC	134	0.89%	

TECH			
WC	133	0.80%	
WOC	125	0.83%	

PROV			
WC	41	0.25%	
WOC	39	0.26%	

NON-CANDIDATES			
WC	1,218	7.34%	
WOC	1,041	6.89%	

CANDIDATES			
WC	2,469	14.88%	
WOC	2,337	15.48%	

MISC			
WC	69	0.42%	
WOC	59	0.39%	

SM&R			
WC	233	1.40%	
WOC	229	1.52%	

NO MATCH			
WC	328	1.98%	
WOC	300	1.99%	

Z AOR			
WC	161	0.97%	
WOC	160	1.06%	

OSI			
WC	379	2.28%	
WOC	245	1.62%	

RBS			
WC	48	0.29%	
WOC	48	0.32%	

CVN 65 EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	13,		
WITHOUT CONSUMABLES (WOC)	12,1		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	4,815	36.52%	
WOC	4,294	35.41%	

NOT AVAILABLE			
WC	8,370	63.48%	
WOC	7,834	64.59%	

ALLOWED NOT IN STOCK			
WC	5,642	42.79%	
WOC	5,255	43.33%	

NOT ALLOWED			
WC	2,728	20.69%	
WOC	2,579	21.26%	

NOT IN SNAP (G)			
WC	348	2.64%	
WOC	319	2.63%	

IN SNAP (J)			
WC	2,380	18.05%	
WOC	2,260	18.63%	

Current	WC	WOC
GROSS	36.52%	35.41%
NET	46.05%	44.97%
COSAL	79.31%	78.74%
MRE		
GROSS	39.33%	
38.07%		
NET	46.05%	
44.97%		
COSAL	85.41%	
84.65%		

CONFIG			
WC	157	1.19%	
WOC	144	1.18%	

TECH			
WC	146	1.11%	
WOC	134	1.10%	

PROV			
WC	45	0.34%	
WOC	41	0.34%	

NON-CANDIDATES			
WC	594	4.50%	
WOC	529	4.36%	

CANDIDATES			
WC	1,786	13.55%	
WOC	1,731	14.27%	

MISC			
WC	47	0.36%	
WOC	46	0.38%	

SM&R			
WC	97	0.74%	
WOC	97	0.80%	

NO MATCH			
WC	114	0.86%	
WOC	113	0.93%	


Z AOR			
WC	135	1.02%	
WOC	130	1.07%	

OSI			
WC	190	1.44%	
WOC	132	1.09%	

RBS			
WC	11	0.08%	
WOC	11	0.09%	

CVN 68 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	110,000		
WITHOUT CONSUMABLES (WOC)	97,000		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	70,013	63.38%	
WOC	61,218	62.88%	

NOT AVAILABLE			
WC	40,454	36.62%	
WOC	36,132	37.12%	

ALLOWED NOT IN STOCK			
WC	19,332	17.50%	
WOC	17,511	17.99%	

NOT ALLOWED			
WC	21,122	19.12%	
WOC	18,621	19.13%	

NOT IN SNAP (G)			
WC	5,455	4.94%	
WOC	4,290	4.41%	

IN SNAP (J)			
WC	15,667	14.18%	
WOC	14,331	14.72%	

CONFIG			
WC	2,455	2.22%	
WOC	1,931	1.98%	

TECH			
WC	2,291	2.07%	
WOC	1,802	1.85%	

PROV			
WC	709	0.64%	
WOC	558	0.57%	

NON-CANDIDATES			
WC	3,860	3.49%	
WOC	3,228	3.32%	

CANDIDATES			
WC	11,807	10.69%	
WOC	11,103	11.41%	

MISC			
WC	110	0.10%	
WOC	102	0.10%	

SM&R			
WC	534	0.48%	
WOC	519	0.53%	

NO MATCH			
WC	988	0.89%	
WOC	904	0.93%	

Z AOR			
WC	845	0.76%	
WOC	820	0.84%	


OSI			
WC	1,251	1.13%	
WOC	751	0.77%	

RBS			
WC	132	0.12%	
WOC	132	0.14%	

Current	WC	WOC
GROSS	63.38%	62.88%
NET	78.36%	77.76%
COSAL	80.88%	80.87%
MRE		
GROSS	69.22%	
NET	78.36%	
	77.76%	
COSAL	88.33%	
	87.64%	

DD 963 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	76,1		
WITHOUT CONSUMABLES (WOC)	72,3		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	41,882	55.01%	
WOC	41,099	56.81%	

NOT AVAILABLE			
WC	34,203	44.95%	
WOC	31,245	43.19%	

ALLOWED NOT IN STOCK			
WC	11,582	15.22%	
WOC	11,215	15.50%	

NOT ALLOWED			
WC	22,621	29.73%	
WOC	20,030	27.69%	

NOT IN SNAP (G)			
WC	4,215	5.54%	
WOC	3,630	5.02%	

IN SNAP (J)			
WC	18,406	24.19%	
WOC	16,400	22.67%	

CONFIG			
WC	1,897	2.49%	
WOC	1,634	2.26%	

TECH			
WC	1,770	2.33%	
WOC	1,525	2.11%	

PROV			
WC	548	0.72%	
WOC	472	0.65%	

NON-CANDIDATES			
WC	4,652	6.11%	
WOC	3,758	5.19%	

CANDIDATES			
WC	13,754	18.08%	
WOC	12,642	17.47%	

MISC			
WC	178	0.23%	
WOC	164	0.23%	

SM&R			
WC	738	0.97%	
WOC	718	0.99%	

NO MATCH			
WC	1,109	1.46%	
WOC	988	1.37%	

Z AOR			
WC	1,015	1.33%	
WOC	1,001	1.38%	

OSI			
WC	1,389	1.83%	
WOC	664	0.92%	

RBS			
WC	223	0.29%	
WOC	223	0.31%	

Current	WC	WOC
GROSS	55.05%	56.81%
NET	78.34%	78.56%
COSAL	70.27%	72.31%
MRE		
GROSS	62.31%	
63.27%		
NET	78.34%	
78.56%		
COSAL	79.54%	
80.54%		

DDG 51 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	195,411	60.16%
WITHOUT CONSUMABLES	(WOC)	187,411	61.85%



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	117,539	60.16%	
WOC	116,243	61.85%	

NOT AVAILABLE			
WC	77,853	39.84%	
WOC	71,698	38.15%	

ALLOWED NOT IN STOCK			
WC	24,858	12.72%	
WOC	24,339	12.95%	

NOT ALLOWED			
WC	52,995	27.12%	
WOC	47,359	25.20%	

NOT IN SNAP (G)			
WC	9,747	4.99%	
WOC	8,686	4.62%	

IN SNAP (J)			
WC	43,248	22.13%	
WOC	38,673	20.58%	

Current	WC	WOC
GROSS	60.16%	61.85%
NET	82.54%	82.69%
COSAL	72.88%	74.80%
MRE		
GROSS	68.78%	
NET	82.54%	
	82.69%	
COSAL	83.32%	
	84.43%	

CONFIG			
WC	4,386	2.24%	
WOC	3,909	2.08%	

TECH			
WC	4,094	2.10%	
WOC	3,648	1.94%	

PROV			
WC	1,267	0.65%	
WOC	1,129	0.60%	

NON-CANDIDATES			
WC	14,747	7.55%	
WOC	12,743	6.78%	

CANDIDATES			
WC	28,501	14.59%	
WOC	25,930	13.80%	

MISC			
WC	1,438	0.74%	
WOC	1,413	0.75%	

SM&R			
WC	1,936	0.99%	
WOC	1,903	1.01%	

NO MATCH			
WC	2,543	1.30%	
WOC	2,341	1.25%	


Z AOR			
WC	1,818	0.93%	
WOC	1,801	0.96%	

OSI			
WC	3,047	1.56%	
WOC	1,395	0.74%	

RBS			
WC	3,965	2.03%	
WOC	3,890	2.07%	

FFG 7 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	155		
WITHOUT CONSUMABLES (WOC)	149		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	79,590	51.05%	
WOC	78,232	52.24%	

NOT AVAILABLE			
WC	76,307	48.95%	
WOC	71,532	47.76%	

ALLOWED NOT IN STOCK			
WC	23,026	14.77%	
WOC	22,483	15.01%	

NOT ALLOWED			
WC	53,281	34.18%	
WOC	49,049	32.75%	

NOT IN SNAP (G)			
WC	7,723	4.95%	
WOC	6,932	4.63%	

IN SNAP (J)			
WC	45,558	29.22%	
WOC	42,117	28.12%	

Current	WC	WOC
GROSS	51.05%	52.24%
NET	77.56%	77.68%
COSAL	65.82%	67.25%
MRE		
GROSS	58.41%	
NET	77.56%	
COSAL	75.31%	
	76.16%	

CONFIG			
WC	3,475	2.24%	
WOC	3,119	2.08%	

TECH			
WC	3,244	2.08%	
WOC	2,911	1.94%	

PROV			
WC	1,004	0.64%	
WOC	901	0.60%	

NON-CANDIDATES			
WC	11,910	7.64%	
WOC	10,599	7.08%	

CANDIDATES			
WC	33,648	21.58%	
WOC	31,518	21.05%	

MISC			
WC	289	0.19%	
WOC	250	0.17%	

SM&R			
WC	4,080	2.62%	
WOC	4,002	2.67%	

NO MATCH			
WC	2,800	1.80%	
WOC	2,611	1.74%	

Z AOR			
WC	2,285	1.47%	
WOC	2,265	1.51%	

OSI			
WC	1,959	1.26%	
WOC	980	0.65%	

RBS			
WC	497	0.32%	
WOC	491	0.33%	

LCC 19 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	13,711	67.32%
WITHOUT CONSUMABLES	(WOC)	12,618	69.92%



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	8,921	67.32%	
WOC	8,876	69.92%	

NOT AVAILABLE			
WC	4,330	32.68%	
WOC	3,818	30.08%	

ALLOWED NOT IN STOCK			
WC	1,092	08.24%	
WOC	1,076	08.48%	

NOT ALLOWED			
WC	3,238	24.44%	
WOC	2,742	21.60%	

NOT IN SNAP (G)			
WC	531	4.01%	
WOC	387	3.05%	

IN SNAP (J)			
WC	2,707	20.43%	
WOC	2,355	18.55%	

Current	WC	WOC
GROSS	67.32%	69.92%
NET	89.09%	89.19%
COSAL	75.56%	78.40%
MRE		
GROSS	74.19%	
NET	89.09%	
	89.19%	
COSAL	83.27%	
	84.89%	

CONFIG			
WC	239	1.80%	
WOC	174	1.37%	

NON-CANDIDATES			
WC	695	5.24%	
WOC	583	4.59%	

CANDIDATES			
WC	2,012	15.18%	
WOC	1,772	13.96%	

TECH			
WC	223	1.68%	
WOC	163	1.28%	

MISC			
WC	13	0.10%	
WOC	12	0.09%	

SM&R			
WC	74	0.56%	
WOC	71	0.56%	

PROV			
WC	69	0.52%	
WOC	50	0.40%	

NO MATCH			
WC	233	1.76%	
WOC	214	1.69%	


Z AOR			
WC	125	0.94%	
WOC	121	0.95%	

OSI			
WC	188	1.42%	
WOC	103	0.81%	

RBS			
WC	62	0.47%	
WOC	62	0.49%	

LHA 1 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	25,412	41.56%	
WITHOUT CONSUMABLES (WOC)	23,347	42.43%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	10,582	41.56%	
WOC	9,929	42.43%	

NOT AVAILABLE			
WC	14,879	58.44%	
WOC	13,470	57.57%	

ALLOWED NOT IN STOCK			
WC	5,593	21.97%	
WOC	5,144	21.98%	

NOT ALLOWED			
WC	9,286	36.47%	
WOC	8,326	35.58%	

NOT IN SNAP (G)			
WC	3,647	14.32%	
WOC	3,091	13.21%	

IN SNAP (J)			
WC	5,639	22.15%	
WOC	5,235	22.37%	

CONFIG			
WC	1,641	6.45%	
WOC	1,391	5.94%	

TECH			
WC	1,532	6.02%	
WOC	1,298	5.55%	

PROV			
WC	474	1.86%	
WOC	402	1.72%	

NON-CANDIDATES			
WC	1,352	5.31%	
WOC	1,105	4.72%	

CANDIDATES			
WC	4,287	16.84%	
WOC	4,130	17.65%	

MISC			
WC	43	0.17%	
WOC	33	0.14%	

SM&R			
WC	235	0.92%	
WOC	227	0.97%	

NO MATCH			
WC	280	1.10%	
WOC	273	1.17%	

Z AOR			
WC	300	1.18%	
WOC	295	1.26%	


OSI			
WC	423	1.66%	
WOC	206	0.88%	

RBS			
WC	71	0.28%	
WOC	71	0.30%	

Current	WC	WOC
GROSS	41.56%	42.43%
NET	65.42%	65.87%
COSAL	63.53%	64.42%
MRE		
GROSS	51.72%	
NET	65.42%	
	65.87%	
COSAL	79.05%	
	78.49%	

LHD 1 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	42,111	58.80%
WITHOUT CONSUMABLES	(WOC)	39,300	59.95%



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	25,000	58.80%	
WOC	23,582	59.95%	

NOT AVAILABLE			
WC	17,518	41.20%	
WOC	15,751	40.05%	

ALLOWED NOT IN STOCK			
WC	5,473	12.87%	
WOC	5,093	12.95%	

NOT ALLOWED			
WC	12,045	28.33%	
WOC	10,658	27.10%	

NOT IN SNAP (G)			
WC	2,876	6.76%	
WOC	2,386	6.07%	

IN SNAP (J)			
WC	9,169	21.56%	
WOC	8,272	21.03%	

CONFIG			
WC	1,294	3.04%	
WOC	1,074	2.73%	

TECH			
WC	1,208	2.84%	
WOC	1,002	2.55%	

PROV			
WC	374	0.88%	
WOC	310	0.79%	

NON-CANDIDATES			
WC	2,314	5.44%	
WOC	1,779	4.52%	

CANDIDATES			
WC	6,855	16.12%	
WOC	6,493	16.51%	

MISC			
WC	80	0.19%	
WOC	60	0.15%	

SM&R			
WC	315	0.74%	
WOC	301	0.77%	

NO MATCH			
WC	500	1.18%	
WOC	418	1.06%	

Z AOR			
WC	462	1.09%	
WOC	461	1.17%	


OSI			
WC	776	1.83%	
WOC	359	0.91%	

RBS			
WC	181	0.43%	
WOC	180	0.46%	

Current	WC	WOC
GROSS	58.80%	59.95%
NET	82.04%	82.24%
COSAL	71.67%	72.90%
MRE		
GROSS	66.97%	
NET	82.04%	
	82.24%	
COSAL	81.64%	
	81.54%	

LPD 4 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	59,127		
WITHOUT CONSUMABLES (WOC)	56,347		



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	35,687	60.18%	
WOC	34,847	61.85%	

NOT AVAILABLE			
WC	23,613	39.82%	
WOC	21,493	38.15%	

ALLOWED NOT IN STOCK			
WC	7,874	13.28%	
WOC	7,580	13.45%	

NOT ALLOWED			
WC	15,739	26.54%	
WOC	13,913	24.69%	

NOT IN SNAP (G)			
WC	3,013	5.08%	
WOC	2,562	4.55%	

IN SNAP (J)			
WC	12,726	21.46%	
WOC	11,351	20.15%	

CONFIG			
WC	1,356	2.29%	
WOC	1,153	2.05%	

TECH			
WC	1,265	2.13%	
WOC	1,076	1.91%	

PROV			
WC	392	0.66%	
WOC	333	0.59%	

NON-CANDIDATES			
WC	3,084	5.20%	
WOC	2,464	4.37%	

CANDIDATES			
WC	9,642	16.26%	
WOC	8,887	15.77%	

MISC			
WC	120	0.20%	
WOC	113	0.20%	

SM&R			
WC	370	0.62%	
WOC	363	0.64%	

NO MATCH			
WC	954	1.61%	
WOC	879	1.56%	

Z AOR			
WC	632	1.07%	
WOC	622	1.10%	


OSI			
WC	943	1.59%	
WOC	422	0.75%	

RBS			
WC	65	0.11%	
WOC	65	0.12%	

Current	WC	WOC
GROSS	60.18%	61.85%
NET	81.92%	82.13%
COSAL	73.46%	75.31%
MRE		
GROSS	67.08%	
NET	81.92%	
	82.13%	
COSAL	81.88%	
	82.68%	

LSD 41 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	41,414	
WITHOUT CONSUMABLES	(WOC)	38,414	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	22,872	55.16%	
WOC	22,414	58.22%	

NOT AVAILABLE			
WC	18,590	44.84%	
WOC	16,082	41.78%	

ALLOWED NOT IN STOCK			
WC	6,456	15.57%	
WOC	6,218	16.15%	

NOT ALLOWED			
WC	12,134	29.27%	
WOC	9,864	25.62%	

NOT IN SNAP (G)			
WC	2,494	6.02%	
WOC	2,003	5.20%	

IN SNAP (J)			
WC	9,640	23.25%	
WOC	7,861	20.42%	

Current	WC	WOC
GROSS	55.16%	58.22%
NET	77.99%	78.28%
COSAL	70.73%	74.38%
MRE		
GROSS	62.59%	
NET	77.99%	
	78.28%	
COSAL	80.26%	
	82.32%	

CONFIG			
WC	1,122	2.71%	
WOC	901	2.34%	

TECH			
WC	1,047	2.53%	
WOC	841	2.19%	

PROV			
WC	324	0.78%	
WOC	260	0.68%	

NON-CANDIDATES			
WC	2,427	5.85%	
WOC	1,713	4.45%	

CANDIDATES			
WC	7,213	17.40%	
WOC	6,148	15.97%	

MISC			
WC	98	0.24%	
WOC	98	0.25%	

SM&R			
WC	359	0.87%	
WOC	352	0.91%	

NO MATCH			
WC	409	0.99%	
WOC	355	0.92%	


Z AOR			
WC	420	1.01%	
WOC	413	1.07%	

OSI			
WC	1,026	2.47%	
WOC	380	0.99%	

RBS			
WC	115	0.28%	
WOC	115	0.30%	

LSD 49 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	21,474	62.09%
WITHOUT CONSUMABLES	(WOC)	20,645	64.60%



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	13,474	62.09%	
WOC	13,345	64.60%	

NOT AVAILABLE			
WC	8,226	37.91%	
WOC	7,314	35.40%	

ALLOWED NOT IN STOCK			
WC	3,085	14.22%	
WOC	2,961	14.33%	

NOT ALLOWED			
WC	5,141	23.69%	
WOC	4,353	21.07%	

NOT IN SNAP (G)			
WC	661	3.05%	
WOC	523	2.53%	

IN SNAP (J)			
WC	4,481	20.65%	
WOC	3,830	18.54%	

Current	WC	WOC
GROSS	62.09%	64.60%
NET	81.37%	81.84%
COSAL	76.31%	78.93%
MRE		
GROSS	68.03%	
NET	81.37%	
	81.84%	
COSAL	83.61%	
	84.74%	

CONFIG			
WC	297	1.37%	
WOC	235	1.14%	

NON-CANDIDATES			
WC	1,234	5.69%	
WOC	894	4.33%	

CANDIDATES			
WC	3,246	14.96%	
WOC	2,936	14.21%	

TECH			
WC	278	1.28%	
WOC	220	1.06%	

MISC			
WC	23	0.11%	
WOC	21	0.10%	

SM&R			
WC	172	0.79%	
WOC	165	0.80%	

PROV			
WC	86	0.40%	
WOC	68	0.33%	

NO MATCH			
WC	310	1.43%	
WOC	286	1.38%	


Z AOR			
WC	194	0.89%	
WOC	194	0.94%	

OSI			
WC	463	2.13%	
WOC	156	0.76%	

RBS			
WC	72	0.33%	
WOC	72	0.35%	

MCM CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	53,180	48.82%	
WITHOUT CONSUMABLES (WOC)	49,518	50.81%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	25,978	48.82%	
WOC	25,180	50.81%	

NOT AVAILABLE			
WC	27,230	51.18%	
WOC	24,382	49.19%	

ALLOWED NOT IN STOCK			
WC	8,249	15.50%	
WOC	7,794	15.73%	

NOT ALLOWED			
WC	18,981	35.67%	
WOC	16,588	33.47%	

NOT IN SNAP (G)			
WC	735	1.38%	
WOC	598	1.21%	

IN SNAP (J)			
WC	18,246	34.29%	
WOC	15,990	32.26%	

Current	WC	WOC
GROSS	48.82%	50.81%
NET	75.90%	76.36%
COSAL	64.33%	66.53%
MRE		
GROSS	60.13%	
61.47%		
NET	75.90%	
76.36%		
COSAL	79.23%	
80.50%		

CONFIG			
WC	331	0.62%	
WOC	269	0.54%	

TECH			
WC	309	0.58%	
WOC	251	0.51%	

PROV			
WC	96	0.18%	
WOC	78	0.16%	

NON-CANDIDATES			
WC	9,273	17.43%	
WOC	8,001	16.14%	

CANDIDATES			
WC	8,973	16.86%	
WOC	7,989	16.12%	

MISC			
WC	275	0.52%	
WOC	218	0.44%	

SM&R			
WC	2,507	4.71%	
WOC	2,494	5.03%	

NO MATCH			
WC	3,494	6.57%	
WOC	3,020	6.09%	

Z AOR			
WC	655	1.23%	
WOC	647	1.31%	

OSI			
WC	1,353	2.54%	
WOC	655	1.32%	

RBS			
WC	989	1.86%	
WOC	967	1.95%	

MHC CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES (WC)	27,410	36.61%	
WITHOUT CONSUMABLES (WOC)	26,410	37.85%	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	10,125	36.61%	
WOC	10,010	37.85%	

NOT AVAILABLE			
WC	17,532	63.39%	
WOC	16,439	62.15%	

ALLOWED NOT IN STOCK			
WC	5,653	20.44%	
WOC	5,524	20.89%	

NOT ALLOWED			
WC	11,879	42.95%	
WOC	10,915	41.27%	

NOT IN SNAP (G)			
WC	86	0.31%	
WOC	81	0.31%	

IN SNAP (J)			
WC	11,793	42.64%	
WOC	10,834	40.96%	

Current	WC	WOC
GROSS	36.61%	37.85%
NET	64.17%	64.44%
COSAL	57.05%	58.73%
MRE		
GROSS	46.11%	
NET	64.17%	
COSAL	71.86%	
	72.88%	

CONFIG			
WC	39	0.14%	
WOC	36	0.14%	

TECH			
WC	36	0.13%	
WOC	34	0.13%	

PROV			
WC	11	0.04%	
WOC	11	0.04%	

NON-CANDIDATES			
WC	5,614	20.30%	
WOC	5,054	19.11%	

CANDIDATES			
WC	6,179	22.34%	
WOC	5,780	21.85%	

MISC			
WC	154	0.56%	
WOC	130	0.49%	

SM&R			
WC	1,751	6.33%	
WOC	1,742	6.59%	

NO MATCH			
WC	2,079	7.52%	
WOC	1,889	7.14%	

Z AOR			
WC	592	2.14%	
WOC	577	2.18%	

OSI			
WC	611	2.21%	
WOC	301	1.14%	

RBS			
WC	427	1.54%	
WOC	415	1.57%	

SSN 21 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN



MAINTENANCE ACTIONS

WITH CONSUMABLES (WC) 7,9
WITHOUT CONSUMABLES (WOC) 6,9

ISSUES

WC	5,184	65.07%
WOC	4,405	63.71%

NOT AVAILABLE

WC	2,783	34.93%
WOC	2,509	36.29%

ALLOWED NOT IN STOCK

WC	1,397	17.53%
WOC	1,269	18.35%

NOT ALLOWED

WC	1,386	17.40%
WOC	1,240	17.93%

NOT IN SNAP (G)

WC	251	3.15%
WOC	188	2.72%

IN SNAP (J)

WC	1,135	14.25%
WOC	1,052	15.22%

CONFIG

WC	113	1.42%
WOC	85	1.22%

TECH

WC	105	1.32%
WOC	79	1.14%

PROV

WC	33	0.41%
WOC	24	0.35%

NON-CANDIDATES

WC	322	4.04%
WOC	264	3.82%

CANDIDATES

WC	813	10.20%
WOC	788	11.40%

MISC

WC	8	0.10%
WOC	7	0.10%

SM&R

WC	92	1.15%
WOC	92	1.33%

NO MATCH

WC	73	0.92%
WOC	56	0.81%

Z AOR

WC	48	0.60%
WOC	45	0.65%

OSI

WC	89	1.12%
WOC	52	0.75%

RBS

WC	12	0.15%
WOC	12	0.17%

Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

Current	WC	WOC
GROSS	65.07%	63.71%
NET	78.77%	77.63%
COSAL	82.60%	82.07%
MRE		
GROSS	70.11%	
NET	78.77%	
	77.63%	
COSAL	89.00%	
	87.81%	

SSN 688 CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	160	
WITHOUT CONSUMABLES	(WOC)	136,4	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	111,797	69.81%	
WOC	95,074	69.88%	

NOT AVAILABLE			
WC	48,341	30.19%	
WOC	40,973	30.12%	

ALLOWED NOT IN STOCK			
WC	19,705	12.31%	
WOC	17,584	12.92%	

NOT ALLOWED			
WC	28,636	17.88%	
WOC	23,389	17.19%	

NOT IN SNAP (G)			
WC	7,804	4.87%	
WOC	5,767	4.24%	

IN SNAP (J)			
WC	20,832	13.01%	
WOC	17,622	12.95%	

Current	WC	WOC
GROSS	69.81%	69.88%
NET	85.02%	84.39%
COSAL	82.12%	82.81%
MRE		
GROSS	77.40%	
NET	85.02%	
	84.39%	
COSAL	91.05%	
	90.12%	

CONFIG			
WC	3,512	2.19%	
WOC	2,595	1.91%	

TECH			
WC	3,278	2.05%	
WOC	2,422	1.78%	

PROV			
WC	1,015	0.63%	
WOC	750	0.55%	

NON-CANDIDATES			
WC	7,901	4.93%	
WOC	5,267	3.87%	

CANDIDATES			
WC	12,931	8.07%	
WOC	12,355	9.08%	

MISC			
WC	242	0.15%	
WOC	192	0.14%	

SM&R			
WC	972	0.61%	
WOC	910	0.67%	

NO MATCH			
WC	1,326	0.83%	
WOC	1,144	0.84%	

Z AOR			
WC	1,217	0.76%	
WOC	1,142	0.84%	

OSI			
WC	3,945	2.46%	
WOC	1,682	1.24%	

RBS			
WC	199	0.12%	
WOC	197	0.14%	

SSBN CLASS EFFECTIVENESS TOPDOWN BREAKDOWN

MAINTENANCE ACTIONS			
WITH CONSUMABLES	(WC)	139	
WITHOUT CONSUMABLES	(WOC)	117	



Data Timeframe: 10/1/01-9/30/03
Source: Supply Issues Table from 3M
Active Ships by CLASS

ISSUES			
WC	112,993	80.99%	
WOC	94,898	80.69%	

NOT AVAILABLE			
WC	26,528	19.01%	
WOC	22,712	19.31%	

ALLOWED NOT IN STOCK			
WC	13,730	9.84%	
WOC	12,013	10.21%	

NOT ALLOWED			
WC	12,798	9.17%	
WOC	10,699	9.10%	

NOT IN SNAP (G)			
WC	2,241	1.61%	
WOC	1,577	1.34%	

IN SNAP (J)			
WC	10,557	7.57%	
WOC	9,122	7.76%	

Current	WC	WOC
GROSS	80.99%	80.69%
NET	89.17%	88.76%
COSAL	90.83%	90.90%
MRE		
GROSS	%	%
NET	%	%
COSAL	%	%

CONFIG			
WC	1,008	0.72%	
WOC	710	0.60%	

TECH			
WC	941	0.67%	
WOC	662	0.56%	

PROV			
WC	291	0.21%	
WOC	205	0.17%	

NON-CANDIDATES			

CANDIDATES			

MISC			

SM&R			

NO MATCH			

Z AOR			

OSI			

RBS			